



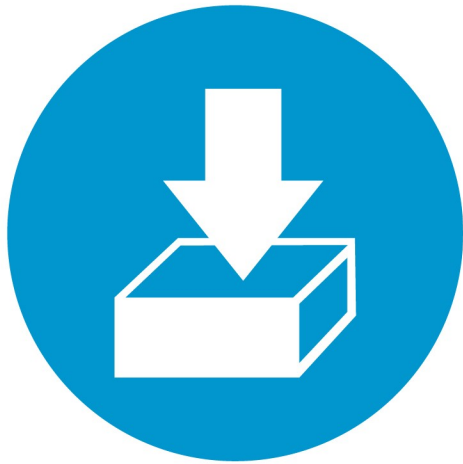
# Ways to Better Your Business

Clever Uses of Video Surveillance



**Profitable**

# Business Practice



**Reduce Shrinkage**



**Increase Sales**



**Actionable Analytic**

# Video surveillance can help monitor

## Source of Shrinkage



### Inventory Damage

When goods are found defective, a video footage will help to check who's responsible.



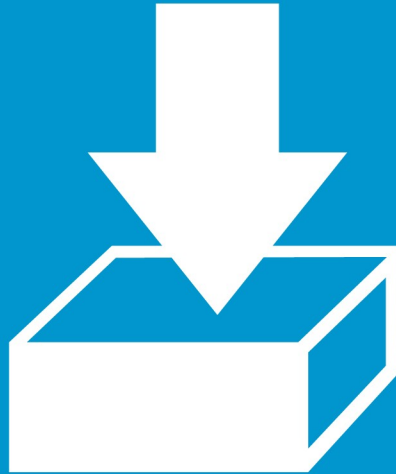
### Shoplifting

Shoplifting accounts for 38% of the total reduce shrinkage in retail, ranked as top lost for retailer.



### Employee Theft

Employee theft, misappropriate funds, customer complaints.



# Reduce Shrinkage

Sources of shrinkage: Shoplifting, employee theft, and administrative error (pricing mistake, inventory damage) can be effectively monitored and reviewed.



Inventory Damage



Shoplifting

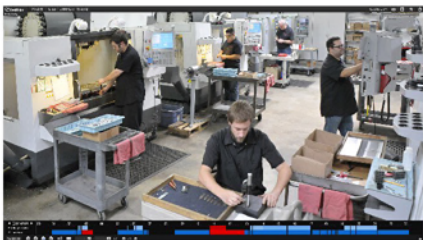


Employee Theft



Inventory damage may occur during assembly, packing, delivery, and service.

When goods are found defective, a video footage will help to check who's responsible.



Assembly



Packing



Delivery



Service



Inventory Damage



Shoplifting



Employee Theft



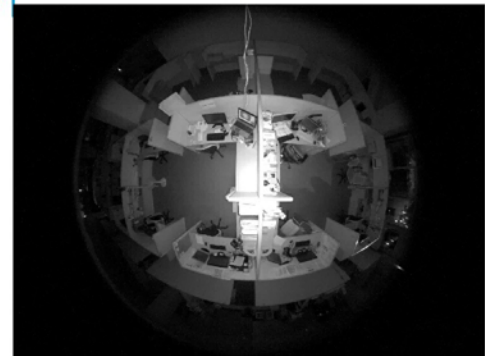
## High Definition Video Evidence

HD video footage provides more image details for effective identification and forensic analysis. With technology nowadays, clear video footage can be captured even at complex lighting environment, or night-time at low-light.

HD video footage for details



Built-in IR





Inventory Damage



Shoplifting



Employee Theft



Shoplifting accounts for 38% of the total reduce shrinkage in retail, ranked as lot lost for retailer.

**38%**





Inventory Damage



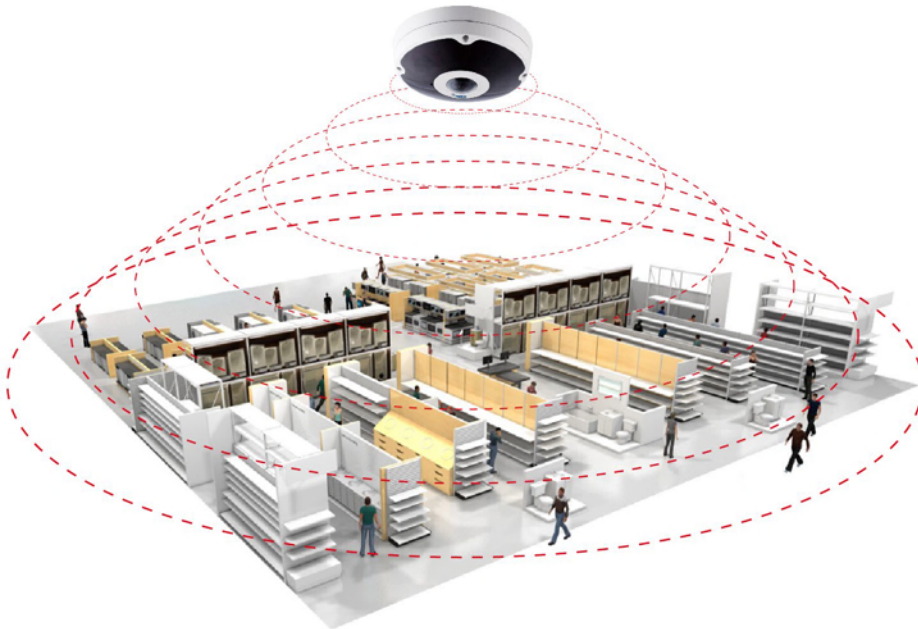
Shoplifting



Employee Theft

## Avoid Blind Spot

Experienced shoplifter would hide at blind spot in a corner, besides putting items to bag, they change price label or switch with other item they brought to store. A fisheye-lens surveillance camera can help to avoid blind spot.







Inventory Damage



Shoplifting



Employee Theft

## Warning

Public View Monitor displays selected security surveillance video to the public. Customers see live images of themselves as they enter a store or while they are browsing, sending a strong message that video surveillance is in place.



GV-Pad





Inventory Damage



Shoplifting



Employee Theft

## Transaction Footage

Employee theft, misappropriate funds, customer complaints can be recorded and reviewed with transaction logs.



## Get alerts when:

- Voiding Transactions
- Canceling Orders
- Specified Item Check

ID	Time	System	Login	Counter	POS 1	POS 2	POS 3	POS 4	POS 5	POS 6	POS 7	POS 8	POS 9	POS 10
994	11/29/2007 2:30:44 PM				oee	cookie			\$1000T					
995	11/29/2007 2:30:45 PM				oee	cookie			\$1000T					
996	11/29/2007 2:30:45 PM				oee	cookie			\$1000T					
997	11/29/2007 2:30:45 PM				oee	cookie			\$1000T					
998	11/29/2007 2:30:45 PM				oee	cookie			\$1000T	Alarm				
999	11/29/2007 2:30:46 PM				oee	cookie			\$1000T					
1000	11/29/2007 2:30:46 PM				oee	cookie			\$1000T					
1001	11/29/2007 2:30:46 PM				oee	cookie			\$1000T					
1002	11/29/2007 2:30:46 PM				oee	cookie			\$1000T					
1003	11/29/2007 2:30:47 PM				oee	cookie			\$1000T	Alarm				
1004	11/29/2007 2:30:47 PM				oee	cookie			\$1000T					
1005	11/29/2007 2:30:48 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1006	11/29/2007 2:30:49 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1007	11/29/2007 2:30:49 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1008	11/29/2007 2:30:49 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1009	11/29/2007 2:30:49 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T	Filtere				6
1010	11/29/2007 2:30:50 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1011	11/29/2007 2:30:50 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1012	11/29/2007 2:30:50 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1013	11/29/2007 2:30:51 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T					6
1014	11/29/2007 2:30:51 PM				[[[[[	coke 6pack	[[[[[	[[[[[	\$1000T	Filtere				6
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Inventory Damage



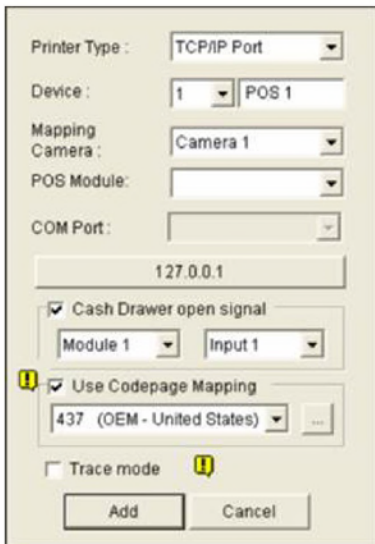
Shoplifting



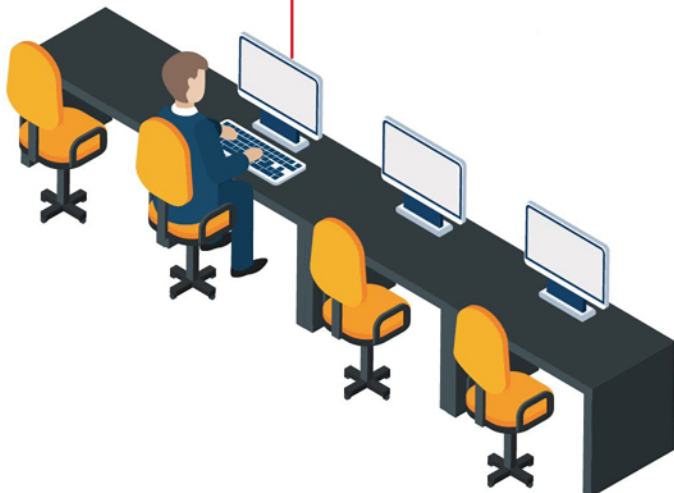
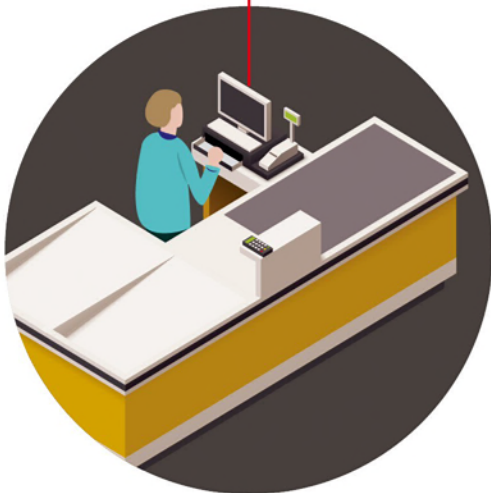
Employee Theft

## Cash Drawer Open Signal

Concerned about unauthorized or unusual drawer openings?  
Cash drawer open signal activates security cameras, time and date stamp security video recordings. Quickly review legitimacy of each transaction.



Printer Type : TCP/IP Port  
Device : 1 POS 1  
Mapping Camera : Camera 1  
POS Module :  
COM Port :  
127.0.0.1  
 Cash Drawer open signal  
Module 1 Input 1  
 Use Codepage Mapping  
437 (OEM - United States)  
 Trace mode  
Add Cancel





## **Increase Sales**

Improve customer services is the essential to increase sales.  
Surveillance footage is a good source to audit appropriate attire and proper interaction with customers.



**Making the Sale**



Customer Experience

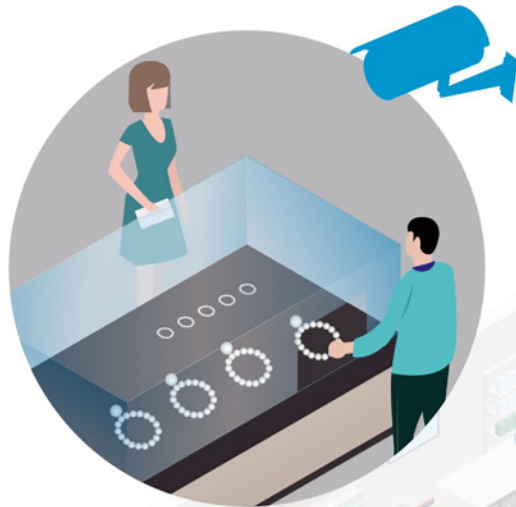


Store Performance



## Making the Sale

Use real-time alerts to strike while the iron's hot! Real-time alerting when high-value items have been reviewed, and send an experienced salesperson over. An experienced salesperson may help to up-sell or cross-sell, or, just to make the sale.



**Circle high-value merchandise on detection zoom**



**Real-time alert to mobile**



**Send more experienced staff to help**





Making the Sale



Customer Experience



Store Performance



## Better Customer Experience

Alert feature on touching threshold limit. Efficient alerting help managers to easily check on transactions of pre-defined items. Review sales performance and enable constructive coaching sessions with the sales personnel to drive sales faster in future.



**Configure threshold limit for POS drawer of a high-value merchandize**



**Real-time alert of flag to post event review**



**Real-time interaction with customer or for later auditing**





Making the Sale



Customer Experience



Store Performance



## Store Performance

“Virtually patrolling” your store. HD video footage help to remotely audit your store, making sure the store is in compliance with display guidelines and cleanliness.





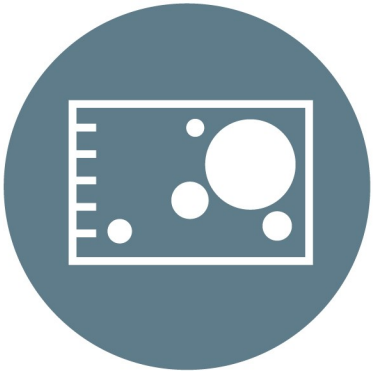
## **Actionable Analytic**

With statistic collected from one or several stores, you can monitor conversion rates, analyze customer flows, effective promotional campaigns, reduced operational costs and increased customer satisfaction.





**Customer Flow**



**Heat Map**



**Data Analysis with report  
and graph**





Counting



Heat Map

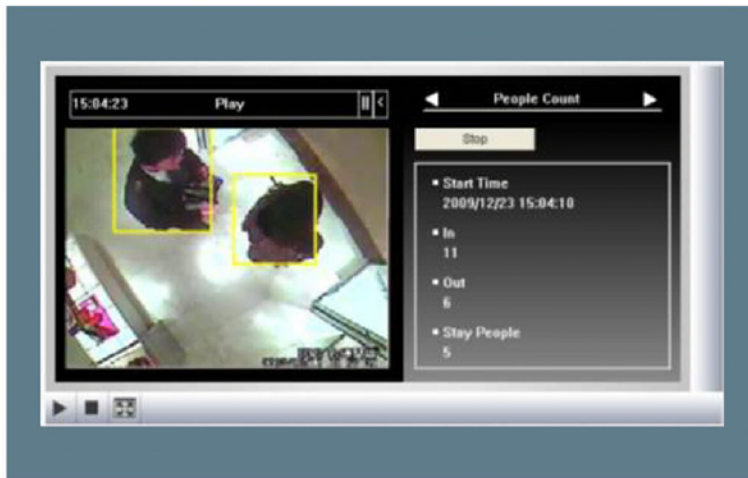


GV-Web Report



## People Counting

How many customer have entered your store? How much sales have they made? With people counting, you may calculate and review store's conversion rate. Also, you may measure traffic levels on hourly basis, and therefore optimizing staff deployment to match customer traffic.





Counting



Heat Map

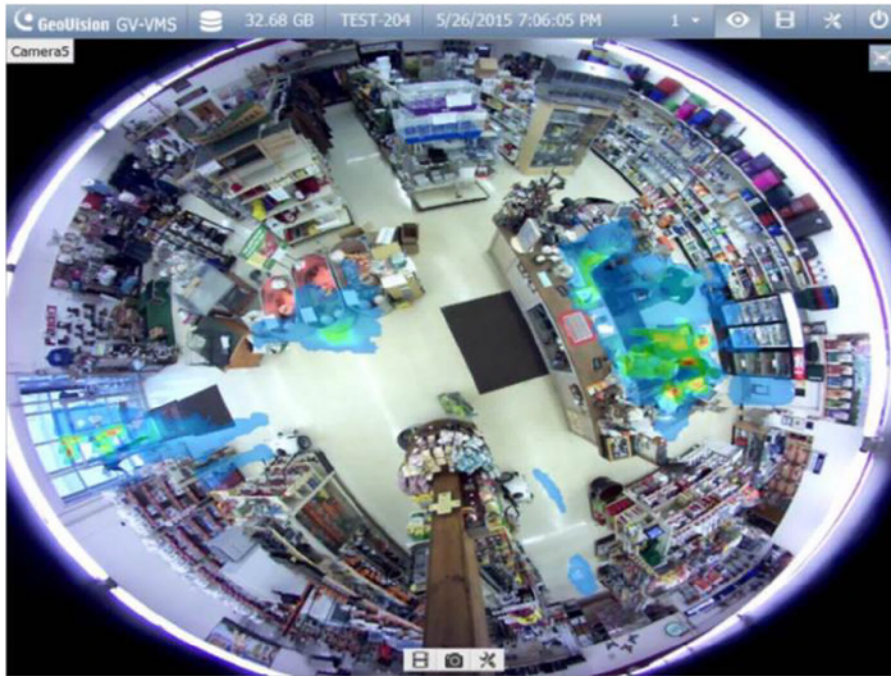


GV-Web Report



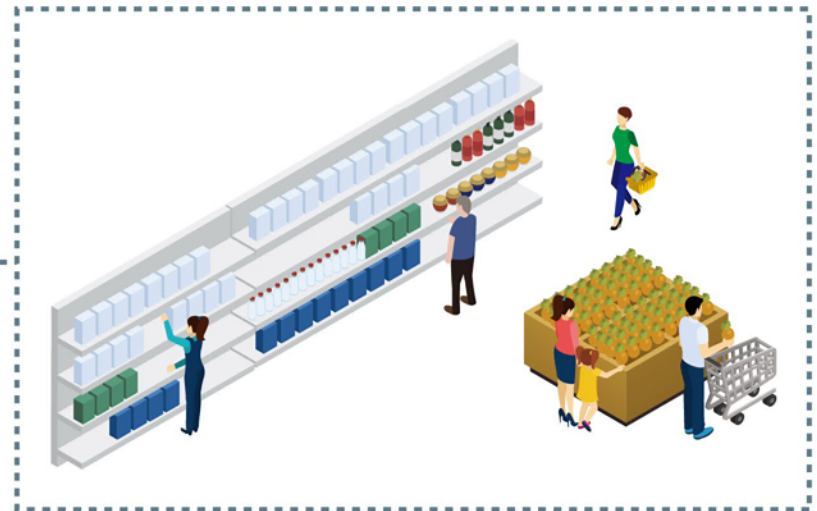
## Heat Map

Heat map helps to visualize hot zones of a store, helping you to improve store design and display strategies.



## Effectiveness of Merchandise Display

Determine cold zones and hot zones help to measure effectiveness of merchandise display. Evaluate the impact of display on customer flow and sales.





Counting



Heat Map

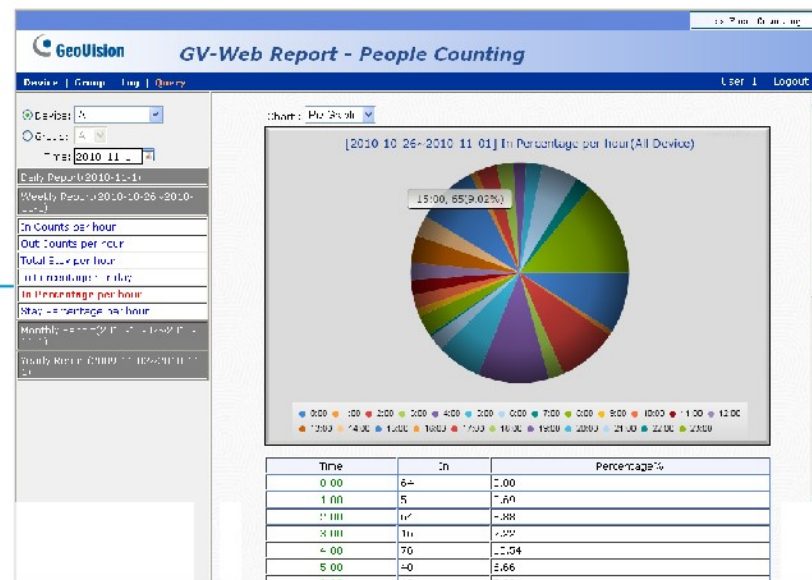
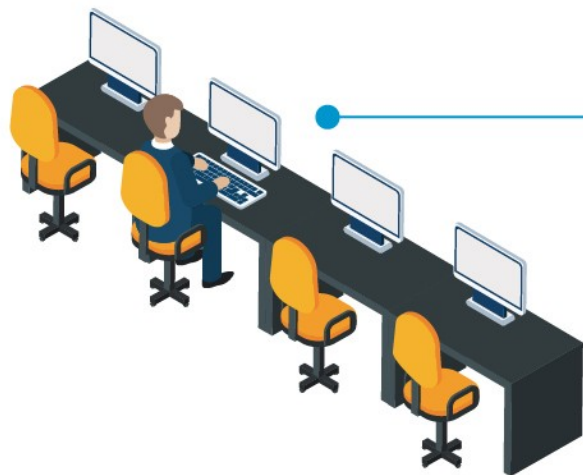


GV-Web Report



## Data Analysis

GV-Web Report provides real-time and historic customer counting data across multiple stores. The information may help to improve store layouts, re-arrange merchandize displays, and assigning staff to match customer traffic.



GV-3DPC 152 Limit (Event)		GV-3DPC 129 Ken (Event)	
In	12	In	4
Out	13	Out	4
Stay	0	Stay	0
Wrong Direction		Wrong Direction	4

Device Name	Time	In	Out	Wrong Direction
GV-3DPC 129 Ken	2012-12-01 11:44:00	0	1	
GV-3DPC 152 Limit	2012-12-01 11:44:00	1	0	
GV-3DPC 129 Ken	2012-12-01 11:51:40	0	1	
GV-3DPC 152 Limit	2012-12-01 11:51:40	1	0	
GV-3DPC 152 Limit	2012-12-01 11:24:36	0	1	
GV-3DPC 129 Ken	2012-12-01 11:24:36	1	0	
GV-3DPC 152 Limit	2012-12-01 11:21:13	1	0	



# Case Study

Improve Customer Service And Reduce Shrinkage

● **McDonalds in Latin America**



# **Enhance Customer Service**



Many customers wait in line  
but only 2 staff?



Staff deployment  
issue

**Video Surveillance  
Help McDonalds to find....**





No one at counter?



Employee loaf on work



**Video Surveillance  
Help McDonalds to find....**





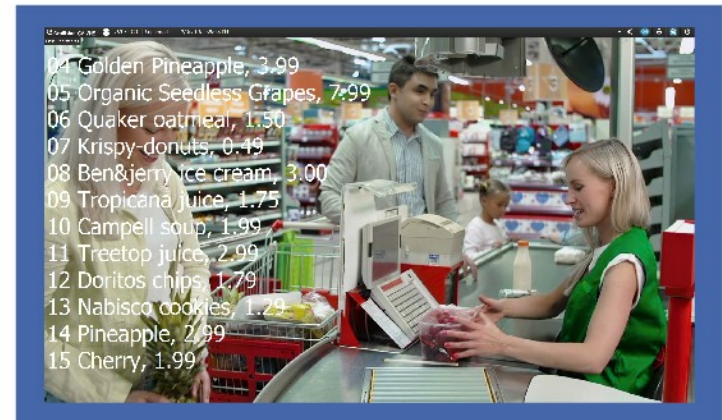
# **Reduce Employee Theft**

# How Employee Steal From VOID Transaction?

**1** Customer leave invoice on table



**2** Employee void transaction



Void Transaction Video

**3** Get money in pocket



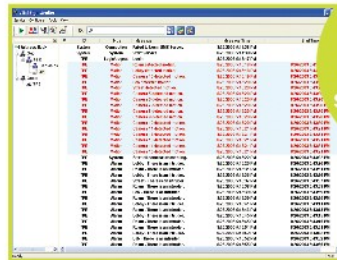
# Advanced Functions Used in Retail Surveillance



Monitor up to **500** store servers

GV-CenterV2 Pro

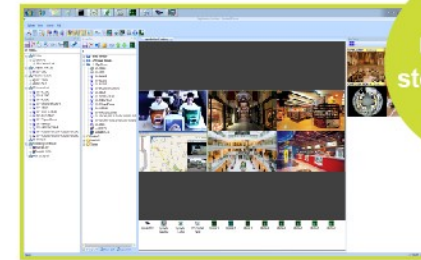
Immediately know what's going on in each store location.



Monitor up to **1,000** store servers

GV-VSM

Know what's going on in each surveillance camera, such as connection lost, storage full.



Unlimited stores servers

GV-Control Center

Video wall, server/camera/IO remote configuration



**Taiwan**  
GeoVision, Inc.  
Headquarter

**USA | California**  
USA Vision Systems, Inc.

**Europe | Czech**  
Europe Vision Systems  
s.r.o.

**USA | New York**  
USA Vision Systems Inc.  
Sales Office

**Europe | France**  
French Office

**USA | Indiana**  
USA Vision Systems Inc.  
Sales Office

**Brazil**  
GeoVision do Brazil

**USA | Texas**  
USA Vision Systems Inc.  
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